

IN THE SPECIFICATION:

Please amend the paragraph beginning on page 5, line 17 and ending on page 5, line 22 as follows:

Turning initially to Figure 2A, a desired transmission characteristic 50 and a desired group delay characteristic 52 form the basis for designing numerically a theoretical design function, which may be defined as [$q_t(z)$ amplitude, $\phi_t(z)$ -phase] at numeral 54. The numerically designing in the exemplary embodiment involves solving an inverse scattering problem based on the desired ~~reflection~~ transmission characteristic 50 and the desired group delay characteristic 52.